



Bark Beetle Kill





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The Problem: Combination of Impacts

- Overstocking due to lack of forest management
Now: 400 trees per acre
Natural: 40 – 100 trees per acre
- 5 Year Drought
- Weakened trees allow beetle population to explode





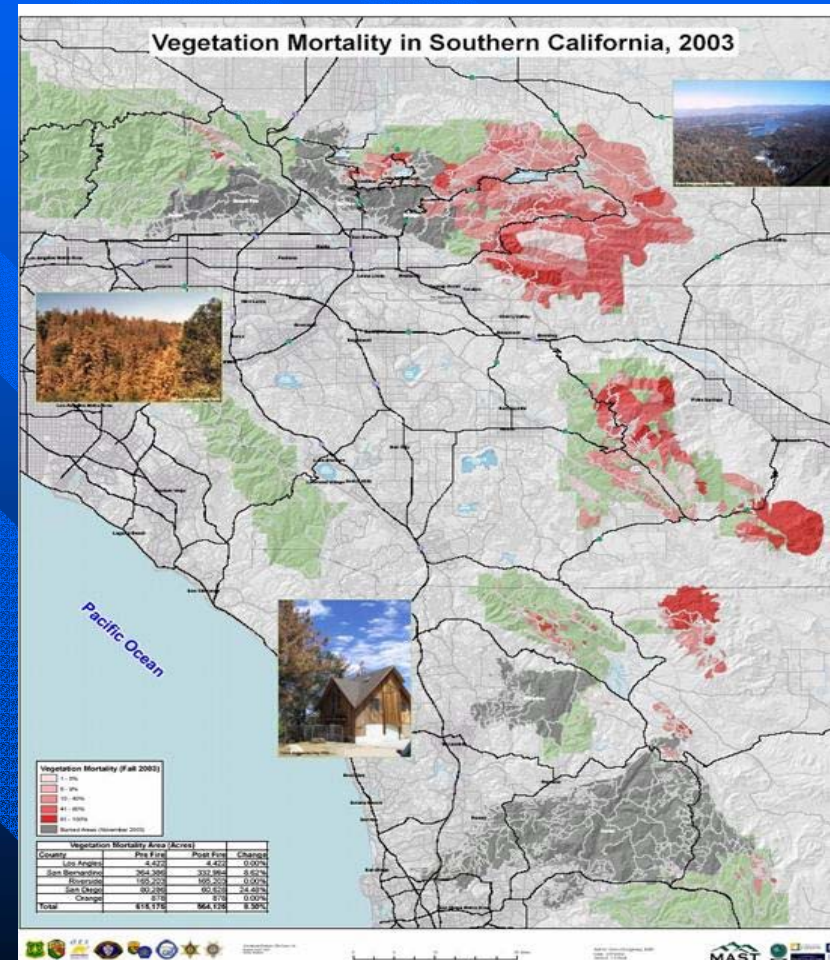
Bark Beetle Impact in Southern California

12.7 million dead trees (of 35.1) in
Riverside and San Bernardino
Counties

As of September 2003:
Total Acres Affected

| | |
|---------|---------|
| Federal | 429,700 |
| Local | 116 |
| Private | 141,300 |
| State | 39,800 |

Total (approx.) 610,900 acres





Tree Mortality Conditions

1999 Willow Fire burn
area in background
(63,000+ acres)



Challenge of Urban
Intermix



Interagency Response

Combined Efforts of:

California Department of Forestry and Fire Protection

United States Forest Service

National Resources Conservation Services (NRCS)

Cal Trans

Governor's Office of Emergency Services

Counties of San Bernardino, Riverside, San Diego

Southern California Edison

San Diego Gas & Electric

Bear Valley Electric and others





The Response



Funding Sources

Federal

Congressional Members Lewis and Feinstein \$ 3.01 million

Other USFS & USDA 49.9 (Omnibus)

State

CDF, CalTrans, Office of Emergency Services: In kind labor & personnel

Local

Assistance to Mountain Area Safety Task Force (MAST), Forest Area Safety Task Force (FAST) and local tree removal programs

Utilities

Southern CA Edison – at least \$359 million estimated